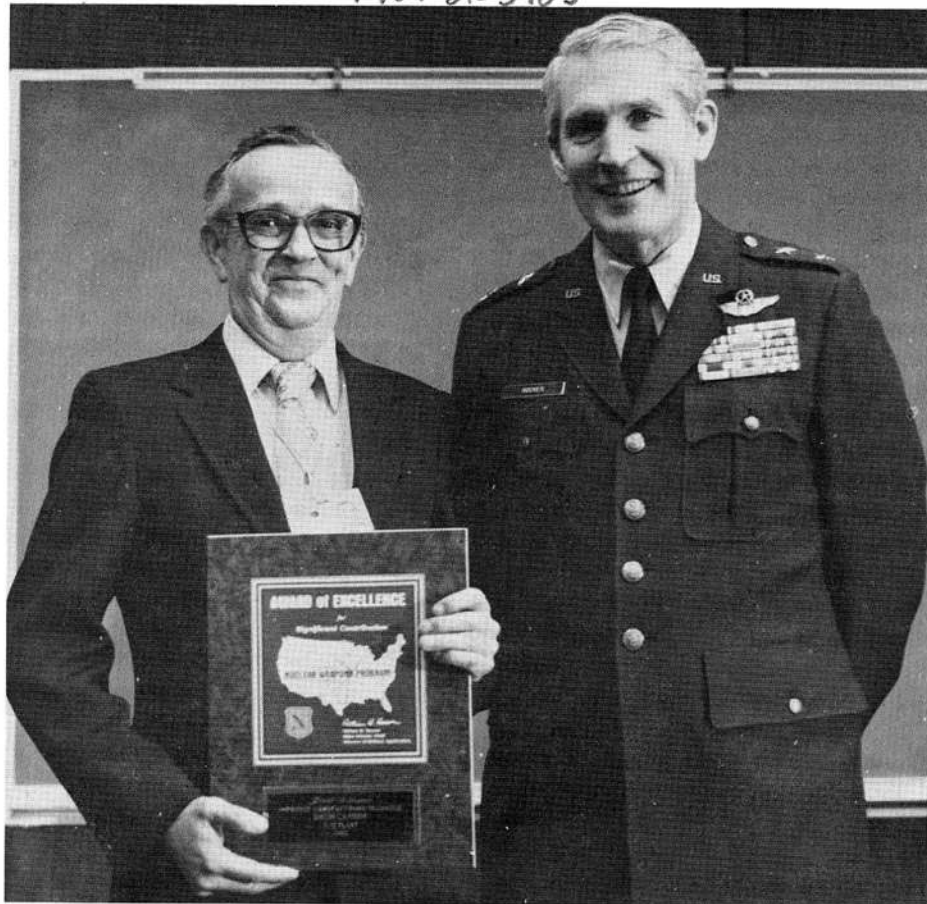


Nuclear Division News

Vol. 13, No. 5 • March 4, 1982



AWARD OF EXCELLENCE — Maj. Gen. William W. Hoover, DOE Deputy Assistant Secretary for Military Application, is shown with James W. Baker, left, one of 18 Y-12 Plant employees who were honored recently for making significant contributions to the nation's nuclear weapons program.

Weapons program brings recognition for Y-12

Six "awards of excellence" for significant contributions to the nation's nuclear weapons program have been presented to employees at the Oak Ridge Y-12 Plant by DOE.

This is the first year of the Weapons Complex Recognition Program, which was initiated by Maj. Gen. William W. Hoover, Deputy Assistant Secretary for Military Application. In making the presentations, General Hoover said: "The main purpose of these awards is to thank the people who are doing the work. When I came across the Potomac several years ago, there was concern that the complex would not be able to meet the demand placed on it. But we have met the challenge by doing things faster and more efficiently, and by keeping the costs down. Although we still have a lot more work ahead of us, I want to thank each of you for your special contribution."

The award is limited to federal and contractor employees below the management level whose "identifiable and significant achievements have provided increased quality, productivity or creativity in support of the weapons program."

One individual and five teams, composed of 17 persons, received the awards at Y-12 this year. However, Plant Manager Gordon G. Fee said that many other Y-12 employees helped make the accomplishments possible.

Award recipients and the contributions for which they were recognized are listed below:

- **Richard A. Huber, Assembly Division; Jimmy L. Murphy, Development Division; and Lewis C. Watson, Assembly Division;** for developing an autogenous electron beam weld for the hatch assembly of one of the weapons systems. Use of this creative approach has led to a high quality weld with a 90 percent production acceptance rate, which will save several million dollars over the life of the program.

- **Harold A. Fell, Nerge B. Bloomer and Sandra Evans Davidson, Fabrication Division;** for a computer-aided process planning pilot project. Through this project, numerous technical and financial advantages of computer-aided manufacturing were demonstrated in a weapons production machine shop.

- **James W. Baker, Fabrication Division;** for an improved technique for manufacturing the rake subassembly for a weapons system. A redesign of the tooling and manufacturing processes being used for this part increased the number of subassemblies accepted on first inspection by about 30 percent.

- **Bobby J. White, Fabrication Division; Elizabeth J. Settlemeyer, Product Certification Division; and**

(Please turn to page 8)

Individual Retirement Accounts

What is an IRA?

An IRA is a tax-sheltered Individual Retirement Account designed to provide tax-deductible long-term savings for retirement income.

How much can I put into an IRA?

You can put up to \$2,000 of pay (\$2,250 if your spouse is not employed) into an IRA each year. You can have more than one IRA if you wish, but no more than \$2,250 in total in any one year.

Do I have to put money into an IRA every year?

No. How much — if anything — you put in each year is entirely up to you. But you cannot go over the annual limit even if you didn't put in the full amount in a prior year.

When can I take money out of my IRA?

Ordinarily, this won't be before age 59½. A 10% penalty tax, in addition to ordinary income tax, will apply if money is withdrawn before that time, except in case of disability or death.

How will my IRA be taxed?

When you put money into an IRA it's deducted from your taxable income for that year. You pay no taxes on your IRA investment gains or earnings until they are withdrawn from the Account. When you take money out of the IRA it's taxed as ordinary income in the year in which you receive it.

How can I open an IRA?

Most banks, insurance companies, credit unions, mutual funds and brokerage firms are sponsoring IRA's. You should shop around and select the one (or ones) you feel is best for you. Fees, expenses, investment risks and investment options vary widely. Although you can move your IRA from one institution to another, it is not always possible or easy because of special rules which must be followed.

Can I use the Carbide Savings Plan as an IRA?

No. Federal regulations place restrictions on IRA's which the Savings Plan does not meet. There is no restriction, however, on participating in the Savings Plan and putting money into an IRA at the same time.

IRA's available in April through payroll deduction

Beginning April 1, Nuclear Division employees may authorize a payroll deduction for an Individual Retirement Account. An IRA represents a significant opportunity to supplement retirement income through a tax-sheltered investment or savings program. To take advantage of this opportunity, you must open your own account with any bank, savings and loan association, insurance company, brokerage firm, credit union or other financial service organization offering IRA's.

Payroll deduction authorization forms will be available at your Benefit Plans office March 15. The first deduction can be made in April or any later month that you choose. If you wish to start your deductions in April, your completed deduction authorization form must be received in Nuclear Division Payroll by April 15 for monthly salaried employees and by March 31 for hourly and weekly salaried employees.

Deductions may be authorized in whole dollars only. Deductions will be limited to \$2,000 per year and once authorized will be deducted in consecutive pay periods until canceled or the maximum of \$2,000 is reached.

If you want to know more about an IRA and how it might be advantageous for you, contact your Benefit Plans office.

Union Carbide Retirees Association



P.O. Box 3501 P.O. Box 238
Oak Ridge, TN 37830 Paducah, KY 42001
576-1786

News editor: Al Burris Associate editor: Warner Taylor

The big news this month is our recruiting drive for volunteers to serve as host-guides at Nuclear Division visitor sites during the 1982 World's Fair. We hope lots of you will be interested, because it's a great chance for us to get involved as "the world comes to East Tennessee!" (For more information on the "Volunteer Corps," see the article in this issue of *Nuclear Division News*.)

Paducah news

The Paducah group began electing officers during their February meeting, choosing the following slate:

President — John Hornsby
Vice President — Kathy Smith
Secretary/treasurer — Rex McDowell

UCRA golf

The 1982 golf league planning meeting is set for March 31 at 1:30 p.m. at the Senior Center in Oak Ridge, according to Chairman Don Matlock. A golf committee will be selected, and plans will be made to provide trophies for both men and women. League play for 1982 will begin April 14 at South Hills Golf Club.

Some 36 players (including 12 beginners) participated in last year's league at South Hills. We would like to start leagues in the Knoxville and Harriman/Kingston/Rockwood areas, since many golfers in these areas would prefer not to drive all the way to South Hills to play. Come to Oak Ridge for our March meeting, and we'll work together to form other leagues. Remember, UCRA members and friends and all Nuclear Division retirees are eligible for our leagues!

Bowling news

Some of our recent high scores include:

Feb. 1 — Scratch game, Ernie Bogle (200) and Jean Smallen (193); handicap game, Virgil Withers (237) and Jean Smallen (239); scratch series, Ernie Bogle (515) and Lela Delmonte (465); handicap series, James Moore (620) and Marie Brown (610).

Feb. 8 — Scratch game, C. E. Jones (204) and Lenore Davis (196); handicap game, Grady Norton (237) and Mae Bullins (264); scratch series, Grady Norton (561) and Lela Delmonte (493); handicap series, Grady

Norton (666) and Lenora Davis (621).

Feb. 15 — Scratch game, Ernie Bogle (211) and Al Adams (227); handicap game, Curt Ridings (243) and Al Adams (263); scratch series, Ernie Bogle (593) and Mary Eckhardt (496); handicap series, Ernie Bogle (668) and Mary Eckhardt (631).

Feb. 22 — Scratch game, C. E. Jones (233) and Al Adams (195); handicap game, C. E. Jones (259) and Al Adams (231); scratch series, Ernie Bogle (552) and Lela Delmonte (480); handicap series, Willard Hobbs (623) and Evelyn Frazier (617).

Special note

George Marshall, retiring from ORGDP, is interested in translating written French. (He says he doesn't think he could handle a French-speaking assignment at the World's Fair, but perhaps we could persuade him to volunteer for an assignment at a Nuclear Division visitor location where the ability to speak a little French might be helpful.) In the meantime, if you need any written French translations, feel free to call on George for help!

Letters

The new editor of this column, Al Burris, will officially take over his duties when he and his wife, Lil, return from their winter home in Florida in about a month. However, we have received two letters for him: one from Harry and Helda Gillum (retired from Y-12 and ORNL, respectively), who now live in Memphis; and one from Daniel Hess (ORNL retiree), who now lives in Raleigh, N.C. They all wrote to ask about joining UCRA, and we hope they will become members soon.

We also received a card from Eloise Susano, widow of Charles D. Susano, who now lives in St. Petersburg, Fla. She, too, wanted to join UCRA, and her membership card has been mailed. (Any widow, widower or former employee who receives the *Nuclear Division News* is eligible for UCRA membership.) We will feature our membership application again soon in the *News*, for those who missed January's column.

Editor's plea

We want to remind all retirees that this is *your* column! Please write or call us with any news that you'd like us to include.

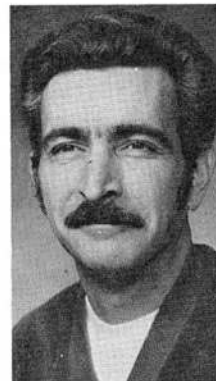
Promotions announced at Y-12



Knight



Laurendine



Languedoc



Littleton

Six promotions were recently announced in the Y-12 Plant: Lee D. Knight was named an inspection supervisor in the Product Certification Division; Orville Laurendine and Frederick O. Languedoc, planner and estimator in Alpha 1; Johnny M. Littleton a supervisor of Special Testing Laboratory; Robert V. McMahan a supervisor in the Graphite Shop; and Dixie B. Vanover a staff engineer in the Assembly Division.

Knight, a native of Jacksboro, joined Union Carbide in 1979, working with General Tire and Rubber Company and Robertshaw Controls prior to that time. He served in the U.S. Army Reserves and is a member of Tennessee's Air National Guard.

He and his wife, the former Polly Sue McKame, live at Route 2, Powell. They have two sons.

Laurendine was born in Laurel, Miss., and came to Y-12 in 1968. He worked with Oak Ridge Tool Engineering before joining Union Carbide. He is a veteran of the U.S. Navy.

He has two sons and lives at 103 Olney Lane, Oak Ridge.

Languedoc, a native of Manhattan, N.Y., joined Union Carbide last year. He worked for the past 14 years in an electronics firm in Orlando.

He and his wife, the former Pamela J. Satterfield, live at 401 Gallaher View Road, Knoxville. They have a daughter and two sons.

Littleton was born in Roane County and worked with Eaton Yale & Towne before joining Union Carbide in



McMahan



Vanover

1969. He is a U.S. Army veteran.

Mrs. Littleton is the former Frances Chamberlain; and the couple lives at Route 2, Kingston. They have two daughters.

McMahan was born in Coffee County, and worked with the Century Electric Company for eight years before joining Union Carbide in 1969. He is a U.S. Navy veteran.

He and his wife, the former Lucy Johnson, live at Route 4, Harriman. They have two sons.

Vanover, a native of Winchester, Ky., came to Y-12 in 1938, working as a secretary for six years before joining the Assembly Division as a senior engineering assistant in 1974. She is a member of the quality evaluation technical staff group responsible for stockpile evaluation.

She lives at 7313 Betenia Road, Powell, and has two sons and a daughter.

Question Box

Dental insurance for retirees?

QUESTION: The Department of Energy has made dental insurance available to its retirees. Does Union Carbide plan to provide it also?

ANSWER: Union Carbide recently improved the Hospital and Surgical and the Dental Expense Assistance Plans for active employees. It also improved pension benefits and medical insurance for retirees and their spouses. Union Carbide does not anticipate extending Dental Expense Assistance coverage to retirees at

any time in the near future.

Credit union savings

QUESTION: Why don't all Nuclear Division credit unions pay the same interest on savings accounts?

ANSWER: The Company is not involved in the day-to-day operations of the credit unions. Inquiries about specific operating policies of the credit unions should be directed to the management of the credit union involved since each is a separate legal entity unto itself.



New treatment for stage fright?

by T. A. Lincoln, M.D.

QUESTION: "Can anything be done about severe stage fright? I die a thousand deaths before I give a paper. I heard recently that a heart drug helps alleviate nervousness. What is it? Where can I get it?"

ANSWER: Propranolol is a drug used frequently to treat high blood pressure and rhythm disturbances in the heart and to prevent migraine headaches. Over the past 15 years, a few patients who took it for one of these reasons noticed that it also had a remarkably calming effect during periods of acute stress. It was almost inevitable that someone would try it to reduce stage fright. It seemed to work, so studies of musicians, actors and even students experiencing stress during examinations were made. It became public knowledge when the article "For Stage Fright, A Remedy Proposed" appeared in the *New York Times*, November 20, 1979.

Some people who suffered severely from stage fright had physician friends who sympathized with their plights and prescribed the medicine. (It is legally obtainable only with a prescription.) In most cases, the users were cautioned about the drug's potential hazards. The Food and Drug Administration (FDA) had not approved its use for treating stage fright, but some physicians rationalized that the FDA was often slow to recognize a "legitimate" new use for a drug.

Stage fright can be extremely unpleasant. The heart pounds and beats rapidly, the palms sweat, the mouth feels as if it were lined with cotton, breathing comes in huge sighs and the need to urinate seems to recur every few minutes. There is an irrational fear that intelligence will disappear, memory will fail, muscular coordination will dissolve into clumsy trembling and the audience will jeer or laugh.

Examination stress

Another apparent use for the drug was to combat examination stress. Students who have little self-confidence or realize that they are poorly prepared often develop near-panic reactions before an examination.

The past solution to these problems often has been to use a sedative or tranquilizer. Unfortunately, these drugs depress alertness and sometimes impair voice production and muscular coordination. Instrumental musicians, for example, often cannot execute difficult passages properly. Subtle nuances are lost.

Part of the acute anxiety called stage fright is generated centrally in

the brain and part peripherally in the nervous system. Fright, which is generated centrally, causes the secretion of adrenalin-like hormones by the adrenal glands. This results in a rapid pulse, elevated blood pressure, a sensation of generalized trembling and a dry mouth. These symptoms, in turn, cause more anxiety, which generates more hormones, and a vicious cycle ensues.

Propranolol blocks the action of these hormones peripherally, and the absence of physical symptoms seems to make the central stimulation less of a problem. Repeated studies have failed to show any decrease in intellectual function and have even shown some improvement. Some music instructors believe propranolol allows extremely nervous students to perform better.

Potential dangers

Although the effects of propranolol can be achieved with low doses, this drug is potentially dangerous. Stimulation of the sympathetic nervous system and the formation of adrenal hormones are a crucial part of the body's emergency defense system. Such stimulation is a vital component supporting circulatory function after a heart attack. Such defenses are necessary in case of a major injury or an emergency operation. Patients subject to bronchial asthma must be extremely careful, because naturally produced adrenalin helps fight the suffocating spasm of the bronchial tubes during an attack. Diabetics who take insulin and suffer from low blood sugar also must be careful, because the usual early warning signs of hypoglycemia may be suppressed by the drug.

In spite of all these warnings, the practice of popping propranolol pills before tough examinations, public talks or stage performances has become rather common. One author rather naively wrote that propranolol should not be used unless the problem of stage fright threatens a person's livelihood. Realistically, however, it appears that pills will be **used and abused** if they provide an escape from unpleasant symptoms.

One should remember that many great performers still develop severe stage fright even after many years of experience. Once the performance begins, they rapidly regain control.

Stress can be a powerful stimulus for a superior performance. Keeping artists or students totally calm does not appear to be necessary or desirable. Many physicians should inform their patients that they lack sufficient justification for prescribing the medication.



CORPORATE SCOUTING GIFT — Union Carbide has contributed \$5,000 to the Four Rivers Boy Scout Council in Paducah. The gift will be used for the purchase and renovation of the Council's new building and grounds located at 825 Joe Bryan Drive. The site, costing approximately \$160,000, will be used for offices, training and scouting activities. William F. Thomas, former vice president of the council and now manager of the Oak Ridge Gaseous Diffusion Plant, presented the check to the Council. Participating in the presentation were, from left: Hubert B. Ellison, scout executive for the Four Rivers Council; Thomas; Andy Wood, chairman of the capital fund drive; and Clayton D. Zerby, Paducah plant manager.

Researchers seek volunteers for indoor air pollution study

Homeowners interested in finding out about indoor air pollution levels in their own residences may do so as participants in a study under way by ORNL's Health and Safety Research Division with support from the Consumer Product Safety Commission.

Volunteers are sought who would be willing to have small passive samplers placed in their homes overnight once every two weeks for 36 weeks. The study also involves more detailed measurements of various indoor air pollutants and air

exchange throughout the residence on three days during this same period.

The researchers are especially interested in making measurements in homes with one or more of the following characteristics: urea-formaldehyde foam insulation, wood-burning stove, space heater, recently weatherized or recently renovated.

For further information on participation, contact: Rita Allen (576-7607) or Richard Gammage (576-2685).

UNION
CARBIDE

Nuclear Division News

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NUCLEAR DIVISION
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INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

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for employees such as:

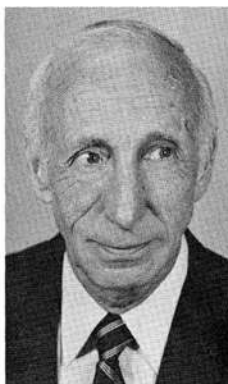


Charles E. Gillihan, Technical Services, Y-12.

Recent Retirements



Arrants Alexander
Operations
ORGDP
36 years service



Ernest F. Brown
Separation Systems
ORGDP
30 years service



Ernest W. Davis
Plant and Equipment
ORNL
34 years service



Frank B. Robertson
Plant and Equipment
ORNL
27 years service



George A. Cristy
Energy
ORNL
31 years service



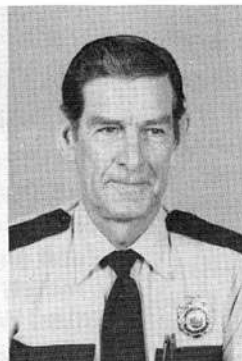
Theodore W. Bartlett
Technical Services
ORGDP
35 years service



Joseph Burch
Technical Services
ORGDP
31 years service



Everett B. Edwards
Purchasing
ORGDP
36 years service



James C. Farmer
Security & Plant
Protection
ORGDP
36 years service



George W. Floyd
Enrichment Technology
ORGDP
37 years service



Freeman Fox
Technical Services
ORGDP
37 years service



Thomas H. Handley
Separation Systems
ORGDP
34 years service



James W. Kingsley
Separation Systems
ORGDP
29 years service



George L. Marshall
Technical Services
ORGDP
30 years service



James V. Mason
Operations
ORGDP
38 years service



Charles E. Sartin
Operations
ORGDP
32 years service



William G. Schwab
Enrichment Technology
ORGDP
39 years service



William T. Stigall
Security & Plant
Protection
ORGDP
37 years service



Paul F. Shorten
Technical Services
ORGDP
36 years service



Gene White
Data Services
Paducah
30 years service



Larry W. Holman
Data Services
Paducah
29 years service



John Hornsby
Fire and Guard
Department
Paducah
28 years service



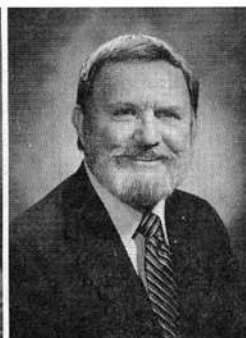
Lindsey E. Price
Technology Laboratory
Paducah
36 years service



Vic G. Katzel
Analytical Laboratory
Paducah
38 years service



Toni Piercy
Plant Engineering
Paducah
30 years service



Chester S. McWhorter
Plant Engineering
Paducah
10 years service



R. Preston Wallace
Alpha 5 West Shop
Y-12
31 years service



Harry L. Belcher
Maintenance
ORGDP
37 years service



James W. Fox
Maintenance
ORGDP
36 years service



Jess W. Harper
Maintenance
ORGDP
37 years service



Marion F. Henry
Maintenance
ORGDP
9 years service



Billy B. Ragan
Operations
ORGDP
38 years service



John F. Kirchner
Maintenance
ORGDP
20 years service

QUALITY — The Competitive Edge

by Robert D. Bryant
QA Week Chairman

More and more U. S. companies are giving increased emphasis to quality. Vendors are being told to supply better parts or lose the business. In hundreds of factories, small groups of workers are sitting down to search for ways to improve quality and productivity, and executive offices and factory floors ring with quality slogans.

Why are we suddenly so worried about the quality of American products? We still make the best commercial aircraft in the world and produce the most reliable tractors — equipped, if farmers want, with stereos, air conditioning, orthopedic seats and adjustable steering wheels. European tourists carry off American-made permanent press sheets because they're inexpensive, longer-wearing and dazzlingly patterned. Our plastics are stronger, our chemicals purer and our machine tools built to finer tolerances than ever.

But, while U. S. companies have steadily improved quality, the foreign competitors, primarily the Japanese, have advanced by leaps and bounds. The Japanese have made "quality" the weapon that wins the world's markets.

The Nuclear Division recently conducted a series of seminars to expose its employees to the quality assurance techniques which have proved so successful in Japan. In introducing these sessions, Senior Vice President Paul Vanstrum noted, "...in this country and, in fact, the world market, quality is the competitive edge today."

The Nuclear Division's primary missions are to provide and support uranium enrichment services, fabricate weapons components and conduct basic energy research and development. Since we don't manufacture automobiles or televisions, the quality of our operations and their impact on our competitive position in the market place may not be obvious. The forces of competition nonetheless affect the Nuclear Division as they do factories producing commercial products. Let's look at a few examples.

Uranium enrichment

Our competitive position in the uranium enrichment activity is a real and growing concern, since the U. S. has lost its monopoly on the production of enriched uranium. The contracting price for separative work from our competitor, EURODIFF, is currently several dollars below that charged by DOE. One point of significance is the requirement in the U. S. that separative work revenues pay the costs of present operation and future enrichment plants.



Other competitive factors are also at work in the enrichment business. New technological developments must be competitive if they are to be used. One example is the gas centrifuge process, which requires less electricity than gaseous diffusion. In the future, uranium may be enriched by newer, still more competitive processes, like those being developed through the advanced isotope separation program.

Research and development

As the primary center of research and development activity in the Nuclear Division, ORNL programs encompass all the energy technologies and their related environmental and health effects. Ultimately, the benefits of R&D are derived from the credibility of the information which results, as well as the collection and dissemination of this information to the public.

One of the Laboratory's important channels for transmitting information to others is the Information Center Complex of the Information Division. The ICC is composed of nine centers, three technical information projects, and an information sciences section. Its primary goal is to build an integrated information system on the environmental impact of various energy and energy-related chemical technologies.

Requests to the ICC come from researchers, medical doctors and consultants working in nuclear, fossil and conservation programs.

The staff at ICC must continually use methods that ensure that reports are credible, and that the references provided are accurate and pertinent. Because the material often appears in published literature, there is a measure of previous peer review. However, different answers to the same question require close comparisons of research methods and evaluation of pertinence to find the "best" answer and its range of uncertainty.

In each of these areas of activity across the Nuclear Division, quality

New clues added to puzzle; drawing set for March 15

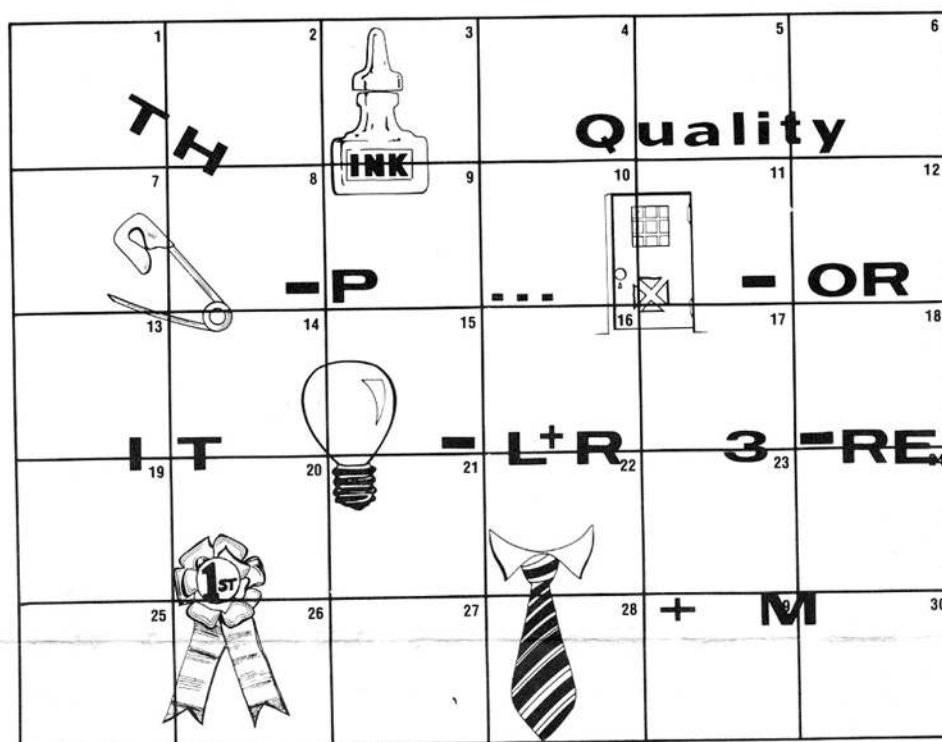
QA Week is March 7-13, and now is your chance to "think quality" and win a season pass to the World's Fair. The second version of the cryptograph puzzle containing this year's quality assurance message appears below.

The contest is open to all Nuclear Division employees, except members of the QA Week Committee, Nuclear Division QA Committee and division-level QA coordinators. Two winners from each Plant will receive a season pass to the 1982 World's Fair or its

cash equivalent of \$85.

Two separate drawings will be held on March 15. The first one will determine the winner from among employees who correctly identified the message using clues in the February 18 issue of *Nuclear Division News*. The deadline for those entries was February 26. The second drawing will be from entries received by March 12 on the official entry form below.

Employees may submit only one entry for each version of the puzzle.



QA CRYPTOGRAPH CONTEST

Entry Form

Name _____ Badge Number _____
Plant Mailing _____ Plant _____
Address _____ Phone _____

QA Message _____

Deadline — March 12, 1982

Send to: QA Coordinator
Y-12 - Building 9704-2, MS-11
ORNL - Building 2024, Room 207
ORGDP - Building K-1001, MS-124
PGDP - Building C100

3/4/82

(Please turn to page 8)

Security inspector scores high in regional pistol competition



Gail McGaughey

Gail McGaughey, Y-12 Guard Department, has collected 42 trophies in competitive shooting for the past two years.

In 1980, McGaughey distinguished herself by winning both the state female combat pistol championship and the marksman classification in the Tennessee and Mississippi sheriff's peace officer association matches held in Memphis.

Last year, she again took honors as an expert by competing in the expert classification in the Tennessee State Championship. She took second place and was named the top woman shooter in the match.

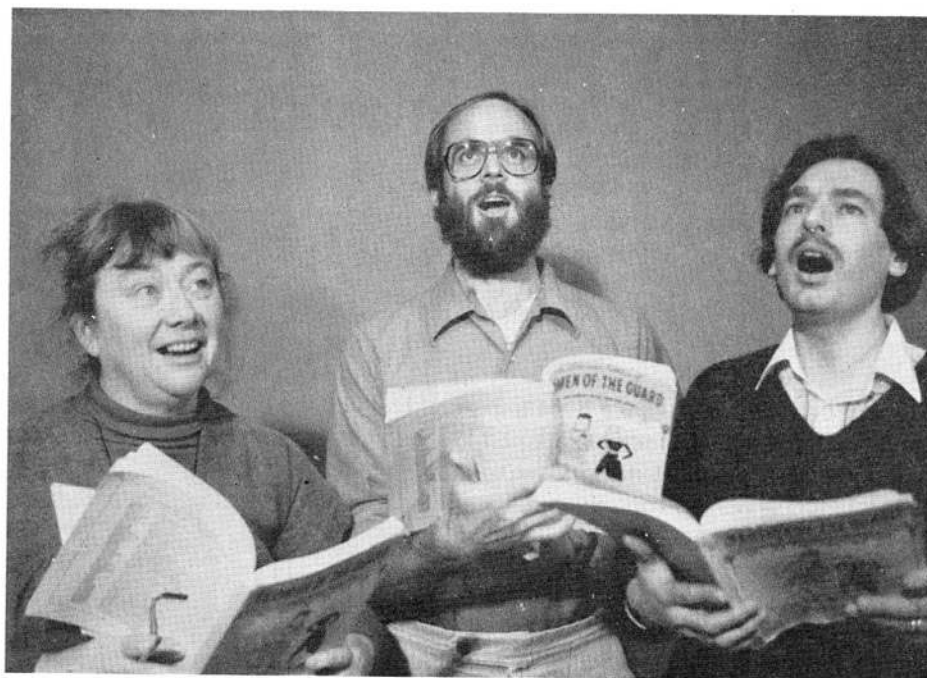
In October, 1981, McGaughey and the Carbide Blue Pistol Team competed in the expert classification at the DOE national match, held at the Savannah River Plant. She took second place in the match and was again named top woman shooter.

The security inspector has competed against top shooters from the Tennessee Bureau of Investigation, the Federal Bureau of Investigation and the Secret Service, as well as against law enforcement agents from Tennessee, Kentucky, Mississippi, Georgia and South Carolina.

McGaughey, a Sweetwater native, has been a security inspector on the guard force for five years.



"Quality assurance means appropriate action to guarantee satisfaction." (Submitted by George K. Smelser, Y-12.)



PART OF YEOMEN CAST — Phyllis Shepard, from left, Robert Meacham and Jonathan Woodward are part of the cast of the upcoming Gilbert and Sullivan "The Yeoman of the Guard." While Oak Ridge audiences have heard several local productions of the G&S classic, this is the first time the Oak Ridge Playhouse has cast it. "Yeoman" opens March 19 for a seven-performance run.

Bowling alley notes...

Y-12 C...

The Irregular Five keep a scant lead in the Y-12 C bowling competition, inches ahead of the Anodes. Randy Howell paced bowlers recently, with a 718 handicap series, followed by Joe Morgan, with 710. In singles it was Larry Washam, 293, Bob Cagle, 274 and Philip Manos, 268.

Y-12 Classic...

In the Y-12 Classic Bowling League, the big Tigers put a 3125 series on the boards recently, as the Atta-Boys still hold a three-point lead in action. Ron Korkow holds individual highs, a single of 293 and series of 750. Bob Hagood rolled a 285 handicap game recently; Jimmy Davis a 279.

Monday Mixed...

The Pacesetters moved into first place in the UCC Monday Mixed League, as the Go-Getters, Jammers and Rams and Rammettes all are tied for second place two back. George Byrd rolled a 272 single game recently to pace individual pinmen.

UCC Mixed...

Chuck Jones fired a 256 scratch game in the UCC Mixed League, earning a century patch (at least a hundred pins over your average). His 579 series was high for that night, too. The same night Gary Smith rolled a 221. On the women's side it was Barbara Stacey, rolling a 202 scratch, 227 handicap game; as Linda Burnett put up a 537 series in scratch count. Barbara Hackett rolled a 630 handicap series.

John Goan set the alleys afire recently, posting a 222 single, 249 handicap; series of 586, 667. Linda Burnett rolled a 232 scratch, 256 handicap single and series of 607, 679.

ORNL A...

ORAU and Half Frames are tied for the lead in the ORNL A League. The Limits rolled a new team high recently, posting a 3072, while the Turkeys rolled a 1116 single. Larry Hodge posted a 694 series, as Larry Williams rolled a 261 single.

ORGDP Women's...

The Chocolate Chips are atop the ORGDP Women's League. Georgia Guinn rolled a 204 single recently; and Doris Frazier put up a 251 handicap single. Jennie Saffell rolled a 544 scratch series; Shirley Yaggi, a 669 handicap.

Jane Hatfield rolled a single of 188/240 recently; as Sally Stockstill took an even 500 scratch series.

K-25 Tuesday...

The Mishaps happen into first place again as the K-25 Tuesday League rolls on. Highs were rolled recently by D. Pollitt, a single of 243/260, as R. K. Johnson rolled a series of 617/656.

M. S. Ginsburg put a 235 single up recently in scratch counting and tied with L. R. Moore with a 568 scratch series.

Family Mixed...

Tillie Plaza and Gale Cook shared women's honors recently in the Carbide Family Mixed. Plaza rolling a 491 scratch series; Cook a 607 handicap one. Cook's single of 189/237 was high. On the men's side it was Charles Turner series of 487/649, and singles of 189/243.

Pat Smith rolled another high earlier in February, taking a 225/274 single, as Plaza posted a 552/636 series.

Save Energy / Share The Ride

ORNL

RIDE NEEDED from Bradbury Community, Kingston, to South or West Portal, 8-4:30. K. E. Long, plant phone 4-7111; home phone 376-5888.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDER NEEDED from West Knoxville area (Bearden through Farragut) to main portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

CAR POOL MEMBERS NEEDED from Cedar Bluff Shopping Center, West Knoxville, to East or South Portal, 7:30-4. Kim Weeks, plant phone 4-5363; home phone 691-4552.

ORGDP

FORM or JOIN CAR POOL from Cumberland Estates Shopping Center, Knoxville, to Portals 1 or 2, 7:30-4. Susan Patty, plant phone 4-8087; home phone Knoxville 588-1756.

CAR POOL MEMBER NEEDED from I-40 and Walker Springs to Portal 2 and Bldg. K-1007, 7:45-4:15. George, plant phone 6-0506; home phone 690-6856 after 5 p.m.

CAR POOL MEMBER NEEDED from Farragut or West Knoxville area to Portal 2, 7:45-4:15. Nancy Buttner, plant phone 4-9128; home phone 966-2955.

Y-12

RIDE from West Knoxville, Cumberland Estates area, to North or Biology Portal, 7:30-4. William C. Dietrich, plant phone 4-0927; home phone Knoxville 584-3172.

Chem Tech to hold 'St. Paddy's' dance

The ORNL Chemical Technology Division's 32nd Annual St. Patrick's Day Dance will be held Friday, March 26, at the West Knox Knights of Columbus Club.

A social hour will begin at 8 p.m., followed by the dance from 9 p.m. to 1 a.m., with music by "Silhouette." Tickets are \$8 per person, and reser-

vations may be made by contacting Karen Pannell at 4-6857. All past and present Chem Tech employees and guests are invited.

Next issue...

The next issue will be dated March 18. The deadline is March 10.



VISITOR OVERLOOK — The ORGDP Visitor Overlook is one of several Nuclear Division sites that will be open to visitors during the 1982 World's Fair. (See accompanying story at right.)

Anniversaries

Y-12 PLANT

30 YEARS

Daniel H. Palkowski, Engineering; Neal Dow, Materials Forming; Ernest T. Ely Jr., Process Maintenance; Robert E. Griffith, Dispatching; John Lay Jr., Production Scheduling; Watson H. Roberts, Material Transfer and Packing; Lorin M. Steckel, Plant Laboratory; Albert J. Taylor, Development Division; Earl H. Barton, Standards and Surveys; Sam H. Davis, Material Specimen Shop; and John B. Moneymaker, Research Services.

25 YEARS

Adrian L. Prestwood and Hubert G. Overton Jr.

20 YEARS

Lonnie H. Wright and Dixie B. Vanover.

GENERAL STAFF

30 YEARS

Clyde C. Hopkins, vice president.

PADUCAH

30 YEARS

Norman L. Blakely, Instrument Department; Bobby J. Cain, Process Maintenance; Russel E. Hagler, Cascade Operations; Charles W. Humphrey, Cascade Operations; Robert E. Lynch, Cascade Operations; Karrell L. Wallace, Power, Utilities and Chemicals; George L. Chapman, Power, Utilities and Chemicals; Richard A. Hinkle, Analytical Laboratory; Billy T. Wolfe, Plant Engineering; Bobby J. Bond, Cascade Operations; Charles E. Featherston, Power, Utilities and Chemicals; Charles R. Baker, Instrument Department; Fred M. Buckley, Cascade Operations; Gordon W. Hughes, Plant Services; Charles D. Lindsey, Power, Utilities and Chemicals; Austin E. Oliver, Power, Utilities and Chemicals; Russell C. Quermous, Power, Utilities and Chemicals; and Morris N. Wright, Fabrication Shops.

25 YEARS

Betty J. Lester and Charles J. Perkins.

ORNL

35 YEARS

George B. Dinsmore, Chemical Technology; James W. Dennis, Operations; Edward M. King, Operations; Vernon O. Maggart Jr., Plant and Equipment; Donald W. Burton, Engineering Technology; Ray F. Benson, Engineering Technology; and Graydon D. Whitman, Engineering Technology.

Charles R. Guinn, Industrial Safety and Applied Health Physics; William S. Lyon Jr., Analytical Chemistry; John A. Burkhalter, Plant and Equipment; and Earl S. Sproles, Operations.

30 YEARS

Nathan B. Carr Jr., Operations; Jim C. Guinn, Plant and Equipment; Donald T. Dice, Industrial Safety and Applied Health Physics; Raymond Eskridge Jr., Plant and Equipment; Roy E. Hicks, Plant and Equipment; Gene R. Hicks, Operations; Andrew H. Matthews, Analytical Chemistry; Jack D. Richardson, Instrumentation and Controls; Oscar J. Harmon, Laboratory Protection; Jack A. Powers, Plant and Equipment; and Glenn A. Bowden, Inspection Engineering.

Henry Inouye, Metals and Ceramics; Billy D. Martin, Plant and Equipment; Robert M. Beckers, Engineering; and Paul E. Woods, Engineering.

25 YEARS

William R. Mixon, Herbert E. McCoy Jr., Marselle P. Ruszkowski and Robert S. Holcomb.

20 YEARS

John G. Merkle, Hugh R. Hubbs, Opal H. Russell, Harold E. Devaney and Donald E. Arnurius.
Edith C. Halbert.

During World's Fair

UCRA sponsors volunteer group to assist with visitor relations

The Union Carbide Retirees Association (UCRA) is sponsoring a "Volunteer Corps" to assist in visitor relations functions at various Nuclear Division sites during the 1982 World's Fair.

Announcing this new activity, the UCRA board of directors said that interested individuals may volunteer for service during the Fair period (May through October) as host-guides at the ORGDP and ORNL Visitor Overlooks, the Graphite Reactor and the ORNL Aquatic Ecology Laboratory.

Each of these visitor areas is equipped for a largely self-guided tour, through literature, descriptive displays and audiovisuals. The volunteer host-guides would be available to greet, assist and respond to questions from the expected larger numbers of visitors. Their service would be similar to that provided in recent years by volunteers at the American Museum of Science and Energy.

Retirees and their spouses are invited to participate. Schedules may

be arranged at the convenience of the volunteers, and may involve one or more days (or part-days) every week or two weeks as desired.

Participants also may request to work only at a specific visitor area (particularly if they were assigned to that site during their employment), or they may rotate between the various locations.

Orientation sessions for the volunteers on their prospective duties will be conducted by the Public Relations Department in early April. These sessions will include bus tours for familiarization with visitor facilities at the four locations, reviews of host-guide functions at each site, anticipated questions and answers from visitors, instruction on equipment operation and other pertinent information.

Interested retirees and spouses may volunteer their services by completing the form below and mailing it to the Public Relations Department, ORNL, P.O. Box X, Oak Ridge, 37830. To volunteer by phone, or for more information, call the Public Relations Department at 574-4161.

"Volunteer Corps" Registration Form

for Nuclear Division Retirees and Spouses Interested in Staffing Visitor Locations During 1982 World's Fair

Name _____ Phone _____

Address _____

Retiree or spouse: _____

Retired from (check one): ORGDP _____ ORNL _____ Y-12 _____

I can serve (check one): One day per week _____

More than one day per week _____ 1/2 day per week _____

One day every two weeks _____ 1/2 day every two weeks _____

If a particular day (or half-day) of the week is preferred, please indicate _____

I prefer to be assigned to (check one, if applicable):

ORGDP Overlook _____ ORNL Overlook _____

Graphite Reactor _____ ORNL Aquatic Ecology Lab _____

I prefer to rotate between locations: _____

Please mail to: Public Relations Dept., ORNL, P.O. Box X, Oak Ridge, 37830, or call 574-4161 for more information.

Safety Scoreboard

Time worked without a lost-time accident through February 25:

Y-12 Plant	41 Days	1,334,000 Employee-Hours
ORGDP	14 Days	322,000 Employee-Hours
ORNL	656 Days	15,245,311 Employee-Hours
Paducah	576 Days	5,025,000 Employee-Hours

Central Employment changes

Two organization changes in the Nuclear Division's Central Employment Office have been announced by Dan E. Anderton, manager. Tom W. Allen has been promoted to supervisor of Nontechnical Recruiting; and Marva F. Walton has joined the Corporate Headquarters staff as manager of Recruiting Programs.

Allen was born in Des Moines, Iowa, but grew up in Clarksville, Tex. He received his BS and MS degrees from East Texas State University.

After serving in the U.S. Air Force as an aircraft radar controller from 1954 to 1956, Allen joined the Oak Ridge Associated Universities (ORAU) as a member of the traveling information and education program. He later served as program developer and coordinator for ORAU's Training and Technology Program.

Allen joined the Nuclear Division as an employee relations associate in Central Employment in 1974. Since 1981, he had served as acting manager of Nontechnical Recruiting, succeeding Earl J. Nash.

Allen taught supervisory training courses in the evening program at Walters State Community College. He lives at 725 West Outer Drive in Oak Ridge.



Allen



Walton

In her new position, Walton will have responsibility for the Corporation's co-op, summer intern and female and minority career/affairs programs. She holds a bachelor's degree from Knoxville College and an MS degree from Atlanta University. Prior to joining the Nuclear Division in 1967, she worked at ORAU and at Einstein Medical Center.

Walton's most recent position has been as coordinator of the Nuclear Division's administrative and technical support recruitment program. She has already moved to her new office in Danbury, Conn.

Competitive edge of quality

(Continued from page 5)

can make the difference in how successfully we are able to compete. Industries throughout the world have found that as quality is improved, scrap and rework are reduced, technology improvements are translated into more efficient production processes, productivity is increased and the ability to compete is strengthened.

The continued successful operation of the Nuclear Division is based on the collective contribution from all employees. Each of us has an obligation to ensure that our efforts result in products and services that are better than "fit for intended use."

Production of weapons components

Production of high quality products has been one of the principal reasons the Y-12 Plant has sustained its position as one of the nation's leading facilities for producing weapons components. Work at Y-12 includes regular production administered by DOE and special production which is subcontracted, primarily from weapons design agencies and the other Nuclear Division plants.

The regular production assigned to Y-12 is not necessarily produced at Y-12. Extensive "make/buy" analyses are conducted to determine if specific materials or products should

be made "in-house" or subcontracted to outside suppliers and manufacturers. Quality and reliability, as well as cost and delivery, of Y-12-produced work compared to outside work are key factors in these "competitive" analyses.

Y-12's sophisticated fabrication capability represents a distinct advantage in obtaining special production work subcontracts from the design agencies. The Plant's reputation for high quality fabrication and proven delivery performance are other key competitive factors.

As the U. S. becomes more technologically advanced, our weapons systems become increasingly more sophisticated. This sophistication results in tighter quality requirements for materials, processes and products. Continuous attention and effort by all employees who contribute to the production of weapons components are necessary to ensure that our long-standing reputation of high quality production is maintained in the face of these new challenges.

Energy-saving tip

For more efficient oven cooking, don't peek! Every time the door is opened, the temperature drops 25 to 50 degrees.

News About People

Ealy certified as industrial hygienist

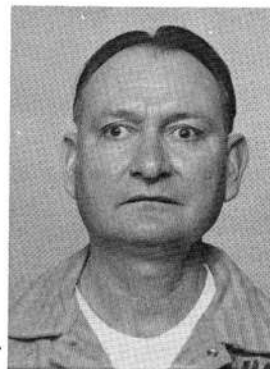


Ealy

James A. Ealy of the Health Division at ORNL has been named a Certified Industrial Hygienist by the American Board of Industrial Hygiene.

He was certified after completing a two-day written examination covering the areas of air pollution, analytical chemistry, computations, engineering, general practice, ionizing radiation, noise, toxicology, sampling and instrumentation. The applicant also must have worked in the profession for at least five years.

Ben Coward, area native, dies February 17



Mr. Coward

Ben W. Coward, Y-12 Materials Forming Department, died February 17, at the Oak Ridge Hospital. A native of Oliver Springs, he came to Y-12 in 1950, having previously worked here from 1944 until 1947.

Survivors include his sisters, Elizabeth Bull, Irene Kegley and Mary Coward; and a brother, Floyd L. Coward.

Funeral services were held at the Jonesville Methodist Church, with interment in the church cemetery.

Mr. Coward lived at Route 2, Massengill Springs Road, Harriman.

Weapons complex recognition

(Continued from page 1)

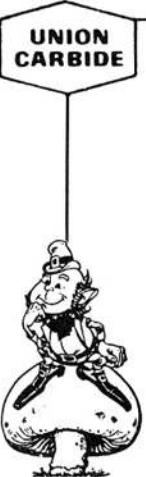
Charles R. Asbury, former Y-12 employee; for a productivity awareness project. Members of the project developed and implemented numerous programs to encourage employee participation in activities to improve productivity, including the establishment of Pride Circles throughout the Y-12 Plant.

• **Ray C. Burress, Harry E. Shatley and Thomas C. Tallent, Metal Preparation Division;** for developing a new heat-treating fixture for use in fabricating uranium alloy parts. Significant cost savings resulted from a decrease in the number of parts requiring rework, as well as from the

elimination of one of the metals used in the process.

• **Kirk O. Pearson, Paul A. Taylor and James H. Clift, Development Division;** and **E. Otis Rackley and Jay C. Webb, Fabrication Division;** for a low-cost, closed-loop system for reclaiming cutting fluids. In addition to saving about \$100,000 a year on the purchase of new cutting fluid, the system has reduced the amount of material which must be disposed of as waste.

Nominations for awards covering the period July 1981 through March 1982 are currently being sought. The screening committee includes James C. White, Keith Kahl and Charles W. Holland.



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